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Information Cited by the Applicant(s) that may be Material  
to the Prosecution of the Subject Application

Re: Application Serial No. 10/016,272

Applicants: Wayne D. Grover; John Doucette

Title: TOPOLOGICAL DESIGN OF SURVIVABLE MESH-BASED TRANSPORT  
NETWORKS

Art Unit: 2681 2666

Examiner: Unknown

Filed: November 2, 2001

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## United States Patent Documents

Examiner Initial	ID	Document Number	Date	Name	Class	Sub Class
<u>pr</u>	A1	5,850,505	12/15/98	Grover et al.	395	182.02
<u>pr</u>	A2	6,377,543 B1	04/23/02	Grover et al.	370	227
<u>pr</u>	A3	6,052,796	04/18/00	Croslin	714	4
<u>pr</u>	A4	6,421,349 B1	07/16/02	Grover (Corresponds to C3 listed below)	370	408
<u>pr</u>	A5	6,404,734	06/11/02	Stamatelakis (Corresponds to C5 listed below)	370	227
<u>pr</u>	A6	2002/0071392	06/13/2002	Grover et al. (Corresponds to C11 listed below)	370	241
<u>pr</u>	A7	6,154,296	11/28/2000	Elahmadi et al.	259	119

## Other Information

(Include author, title, date of publication to extent known, relevant pages, and place of publication if known)

Examiner

Initial ID

## Document Identification

<u>pr</u>	C1	A photocopy of Canadian Patent Application No. 2,161,847, filed October 31, 1995 (published May 1, 1997), including drawings and filing certificate, 32 pages.
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- pk* C2 A photocopy of Canadian Patent Application No. 2,212,933, filed August 13, 1997 (published February 13, 1999), including drawings and filing certificate, 154 pages.
- pk* C3 A photocopy of Canadian Patent Application No. 2,210,207, filed July 11, 1997 (published January 11, 1999), including drawings and filing certificate, 93 pages. (Corresponds to A4 listed above.)
- pk* C4 A photocopy of Canadian Patent Application No. 2,269,649, filed April 22, 1999 (published October 22, 2000), including drawings and filing certificate, 21 pages. (Corresponds to C8 listed below.)
- pk* C5 A photocopy of Canadian Patent Application No. 2,280,981, filed August 27, 1999 (published April 6, 2000), including drawings and filing certificate, 22 pages. (Corresponds to A5 listed above.)
- pk* C6 A photocopy of Canadian Patent Application No. 2,285,101, filed October 6, 1999 (published April 8, 2000), including drawings and filing certificate, 38 pages. (Corresponds to C9 listed below.)
- pk* C7 A photocopy of Canadian Patent Application No. 2,307,520, filed April 28, 2000 (published October 29, 2000), including drawings and filing certificate, 131 pages. (Corresponds to C10 listed below.)
- pk* C8 A photocopy of U.S. Patent Application No. 09/314,518, filed May 19, 1999, including drawings and filing certificate, 21 pages. (Corresponds to C4 listed above.)
- pk* C9 A photocopy of U.S. Patent Application No. 09/414,474, filed October 7, 1999, including drawings and filing certificate, 38 pages. (Corresponds to C6 listed above.)
- pk* C10 A photocopy of U.S. Patent Application No. 09/561,355, filed April 28, 2000, including drawings and filing certificate, 125 pages. (Corresponds to C7 listed above.)



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- 12 C12 "Protection Cycles in Mesh WDM Networks", Ellinas, G, Hailemariam, A. G., Stern, T. E.; *IEEE Journal on Selected Areas in Communications*, Vol. 18, No. 10, October 2000.
- 12 C13 "MENTOR: an algorithm for mesh network topological optimization and routing", G. Grover, A. Kershenbaum, P. Kermani, *IEEE Transaction on Communications*, Vol. 39, p. 503-513, 1991.
- 12 C14 "Algorithms for the Spare Capacity Design of Mesh Resorable Networks", B. D. Venables, M.Sc. Thesis, University of Alberta, Edmonton, 1992.
- 12 C15 "Optimal capacity placement for path restoration in STM and ATM mesh-survivable networks", R. R. Iraschko, M. H. MacGregor, W. D. Grover, *IEEE/ACM Transactions on Networking*, Vol. 6, No. 3, pp. 325-336, June 1998.
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- 12 C17 "A fast heuristic principle for spare capacity placement in mesh-restorable SONET/SDH transport networks", *Electronics Letters*, Vol. 33, No. 3, pp. 195-196, Jan. 30, 1997.
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- pk* C20 "A self-healing network with an economical spare-channel assignment", H. Sakauchi, Y. Nishimura, S. Hasegawa, *Proc. IEEE Globecom*, (1990) pp 438-443.
- pk* C21 "An optimal spare-capacity assignment model for survivable networks with hop limits," M. Herzberg, and S. Bye, *Proc. IEEE GLOBECOM '94*, pp. 1601-1607, 1994.
- pk* C22 "Distributed self-healing network and its optimum spare capacity assignment algorithm", Chujo, T., Komine, H., Miyazaki, K., Ogura, T., Soejima, T., , *Electronics and Commun. in Japan*, part 1, vol. 74, no. 7, 1991, pp. 1-8.
- pk* C23 "A unified approach to network survivability for teletraffic networks: models, algorithms and analysis", D. Medhi, *IEEE Trans. on Communications*, vol.42, 1994, pp.534-548.
- pk* C24 T. Cinkler, T. Henk, G. Gordos, "Stochastic algorithms for thrifty single-failure-protected networks", in *Proc. Design of Reliable Communication Networks*, Munich, Germany April 2000, pp. 299-303.
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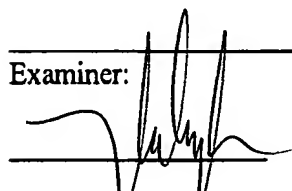
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[Examiner: Initial if reference considered, whether or not citation is in conformance with M.P.E.P.; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant]